

at least two diamond layers longitudinally disposed parallel with the rotation direction of the wheel body, the diamond layers including a plurality of diamond particles; and
a non-diamond portion disposed between the diamond layers in which diamond particles are not included.

2. (Amended) The diamond blade as claimed in claim 1, wherein said diamond layers are each other disposed at predetermined intervals perpendicular to the rotation direction of the diamond blade between the non-diamond portions of said rim type cutting tip.

3. (Amended) The diamond blade as claimed in claim 1, wherein said diamond layers are on both outer surfaces of the rim type cutting tip and not said periphery edge.

4. (Amended) The diamond blade as claimed in claim 1, wherein the plurality of diamond particles in each diamond layer of the rim type cutting tip are distributed in a predetermined pattern or arrangement.

5. (Amended) The diamond blade as claimed in claim 4, wherein said diamond particles in each diamond layer of the rim type cutting tip are distributed in a single layer with grid shaped spots.

6. (Amended) The diamond blade as claimed in claim 4, wherein said diamond particles in each diamond layer of the rim type cutting tip are distributed in a double layer with grid shaped spots.

7. (Amended) The diamond blade as claimed in claim 1, wherein said diamond particles in each diamond layer of the rim type cutting tip are randomly distributed.

Please delete claim 8.

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9. (Amended) A diamond blade for cutting or grinding workpieces, the diamond blade comprising:

a wheel body having a radius about which said wheel body rotates and a periphery, said periphery defined by both outer surfaces of said wheel body and a peripheral edge therebetween; and

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and
a rim type cutting tip for cutting or grinding said workpieces, the rim type cutting tip circumferentially and fixedly disposed on said wheel body said wheel body including:

a non-diamond portion having a plurality of depressed portions, the depressed portions being disposed at predetermined intervals to cross each other on both outer surfaces of the non-diamond portion; and

a plurality of diamond layers longitudinally disposed parallel with the rotation direction of the diamond blade respectively on depressed bottom surfaces of the depressed portions, and on both outer surfaces of the non-diamond portion divided by the depressed portions of the non-diamond portion, wherein the depressed bottom surfaces and both outer surfaces are parallel to the rotation direction of the diamond blade.

10. (Amended) The diamond blade as claimed in claim 9, wherein the bottom surfaces of the depressed portions of the non-diamond portion are positioned in a plane between both outer surfaces of the non-diamond portion .

11. (Amended) The diamond blade as claimed in claim 9, wherein the depth of the depressed bottom surfaces of the depressed portions of both outer surfaces of the non-diamond portion is less than a half of the thickness of the non-diamond portion.

12. (Amended) The diamond blade as claimed in claim 9, wherein the diamond particles in each diamond layer of the rim type cutting tip are distributed in a predetermined pattern or arrangement.

13. (Amended) The diamond blade as claimed in claim 12, wherein the diamond particles in each diamond layer of the rim type cutting tip are distributed in a single layer with grid shaped spots.

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14. (Amended) The diamond blade as claimed in claim 12, wherein the diamond particles in each diamond layer of the rim type cutting tip are distributed in a double layer with grid shaped spots.

15. (Amended) The diamond blade as claimed in claim 9, wherein the diamond particles in each diamond layer of the rim type cutting tip are randomly distributed.

Please delete claim 16.

Please add the following new claims:

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17. A diamond blade for grinding or cutting workpieces, the diamond blade comprising:
a wheel body having a radius about which said wheel body rotates and a periphery, said periphery defined by both outer surfaces of said wheel body and a peripheral edge therebetween;
and
a rim type cutting tip for cutting or grinding workpieces, the rim type cutting tip being fixed to the circumference of said wheel body, said rim type cutting tip including:
a plurality of spaced diamond layers longitudinally disposed parallel with the rotation direction of the wheel body, each of the diamond layers including a plurality of diamond particles; and
a non-diamond portion disposed between each of the diamond layers in which a relatively lower density of diamond particles are included.

18. A diamond blade for grinding or cutting workpieces, the diamond blade comprising:

a wheel body having a radius about which said wheel body rotates and a periphery, said periphery defined by both outer surfaces of said wheel body and a peripheral edge therebetween, said both outer surfaces including a plurality of spaced depressions adjacent said peripheral edge; and

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a rim type cutting tip for cutting or grinding workpieces, the rim type cutting tip being fixed to the circumference of said wheel body, said rim type cutting tip including:

a plurality of spaced diamond layers on both outer surfaces, longitudinally disposed parallel with the rotation direction of the wheel body, each of the diamond layers including a plurality of diamond particles, said diamond layers being disposed in the spaced depressions; and

a non-diamond portion disposed between each of the diamond layers in which a relatively lower density of diamond particles are included.

REMARKS/ARGUMENTS

The applicant has carefully studied the Office Action mailed February 28, 2002 and the cited references.

The claims have been amended from the originally translated from Korean claims to correct grammatical and idiomatic errors. The Examiner's assistance in dealing with these translation issues is appreciated. An Abstract on a separate sheet is attached.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached pages are captioned "Version with